COMPONENTS: (1) Acetamide, N-[[4-(acetylamino)pheny1]sulfony1]-N-(4-methoxy-1,2,5-thiadiazol-3-y1)- (N<sup>1</sup>, N<sup>4</sup>-diacetylsulfametrole);  $c_{13}H_{14}N_4O_5s_2$ ; [84930-18-7]

- (2) Phosphoric acid, disodium salt; Na<sub>2</sub>HPO<sub>4</sub>; [7558-94-4]
- Phosphoric acid, monopotassium salt; [7778-77-0]  $KH_2PO_4$ ;
- (4) Water; H<sub>2</sub>0; [7732-18-5]

## VARIABLES:

pН

# ORIGINAL MEASUREMENTS:

Hekster, Ch. A.; Vree, T. B. Antibiotics Chemother. 1982, 22-118.

# PREPARED BY:

R. Piekos

## EXPERIMENTAL VALUES:

рН	Solubility at 25°C	
	mg/l	10 <sup>5</sup> mol dm <sup>-3</sup> a
5.5	22.7	6.12
7.5 <sup>b</sup>	20.5	5.53

<sup>&</sup>lt;sup>a</sup>Calculated by compiler.

# AUXILIARY INFORMATION

## METHOD/APPARATUS/PROCEDURE:

The earlier developed method (1) was used (personal communication). Satd solns of N1, N4-diacetylsulfametrole were prepd in phosphate buffers of pH 5.5 and 7.5 at 25°C. The concn of the solute was measured by means of a Spectra Physics 3500B high-performance liquid chromatograph equipped with a Model 748 column oven and a Pye-Unicam LC-UV spectrophotometric detector.

# SOURCE AND PURITY OF MATERIALS:

Neither source nor the purity of the materials was specified.

## ESTIMATED ERROR:

Soly: the detection limit of the solute by HPLC was 0.5 mg/l (authors). The errors in temp and pH were not specified.

# REFERENCES:

- 1. Hekster, Y.A.; Vree, T. B.; Damsma, J.E.; Friesen, W. T. J. Antimicrob. Chemother. 1981,
  - 8, 133.

bErroneous pH value of 7.0 is given in the article.